

### **IN THE SPECIFICATION**

#### **Page 8, Lines 2-4**

Thus, an external power-conversion adapter assembly 400A can replace (or enhance the proper operation of) a variety of commonly available power adapters, with a single “one-size-fits-all” adapter that is used with a multiplicity of powered devices. As presented herein, software associated with adapter assembly 400A assumes that every battery-powered device to which the adapter will be connected is previously unknown and, as such, the software performs various acquisition and evaluation operations directed to the device's battery each time a device is connected.

#### **Page 81, Lines 9-16**

While oversimplified, software 101 uses hardware that functions as the equivalent of a multi-meter to discern what is happening in its environment. By reading voltage and current, software 101 is able to respond to events in a meaningful way. Monitoring hardware by reading line voltage and current ~~(line load)~~enables (line load) enables software 101 to prompt a user to configure various hardware elements in a specific sequence. By performing these functions in software, the need for a user to know anything about the power requirements of a host device is eliminated. Thus, software 101 and related hardware provide a system for determining the power requirements of a previously unknown battery-powered device.

#### **Page 119, Lines 7-13**

A final load test in steps 983-973 prior to activating power converter 122A (Fig. 13A) is identifying a resistive load value on the powerlines that validates male connector 132's proper insertion into battery pack 508B (reference Fig. 6C). The load-value for this state is not fully known. It cannot be, because software 800 and its associated hardware have no determination capabilities of whether it has interacted with this specific powered device 508C. Each device -- including its associated battery -- to which the system

described herein will be connected is considered by the software to be a previously unknown battery-powered device. Every powered device will exhibit different load values, resulting from the impedance of circuits inside the powered device 508C (downstream of battery pack 508B).

**REMARKS RE: SPECIFICATION**

**Item 4:** Applicant has amended the specification as indicated above, as suggested by the Examiner, to include phraseology disclosing a "previously unknown battery-powered device." By so amending the specification, the requisite support for the language of claims 109, 114, 122, 125, 164, and 167 is now in the specification. Thus, the informality in the disclosure objected to in the Office Action is now overcome, placing the specification in proper order for allowance.

For the record, Item #4 of the Office Action incorrectly refers to the Amendment of September 24, 2004. The more appropriate reference should be to the Amendment of 9 June 2004, since applicant's response of 24 September, 2004 does not have the subject pages 36-37 cited in the present Office Action, the 24 September response having been for correcting a Notice of Non-Compliance that did not include these page citations.

In amending the specification, no new matter has been added, and the amendments fall completely within the scope of the material set out in the originally filed documents.